

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/595,930  
Source: IFWO  
Date Processed by STIC: 03/07/2007

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 03/07/2007

PATENT APPLICATION: US/10/595,930

TIME: 09:25:52

Input Set : A:\sequence listing 237377.txt

Output Set: N:\CRF4\03072007\J595930.raw

3 <110> APPLICANT: Evotec NeuroSciences GmbH  
 5 <120> TITLE OF INVENTION: Diagnostic and therapeutic use of the human SGPL1 gene  
 6 and protein for neurodegenerative diseases  
 8 <130> FILE REFERENCE: 042347wo Me/FM  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/595,930  
 C--> 11 <141> CURRENT FILING DATE: 2006-05-19  
 13 <160> NUMBER OF SEQ ID NOS: 15  
 15 <170> SOFTWARE: PatentIn Ver. 2.1  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 568  
 19 <212> TYPE: PRT  
 20 <213> ORGANISM: Homo sapiens  
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 27 20 25 30  
 29 His Cys Thr Lys Tyr Glu Pro Trp Gln Leu Ile Ala Trp Ser Val Val  
 30 35 40 45  
 32 Trp Thr Leu Leu Ile Val Trp Gly Tyr Glu Phe Val Phe Gln Pro Glu  
 33 50 55 60  
 35 Ser Leu Trp Ser Arg Phe Lys Lys Lys Cys Phe Lys Leu Thr Arg Lys  
 36 65 70 75 80  
 38 Met Pro Ile Ile Gly Arg Lys Ile Gln Asp Lys Leu Asn Lys Thr Lys  
 39 85 90 95  
 41 Asp Asp Ile Ser Lys Asn Met Ser Phe Leu Lys Val Asp Lys Glu Tyr  
 42 100 105 110  
 44 Val Lys Ala Leu Pro Ser Gln Gly Leu Ser Ser Ser Ala Val Leu Glu  
 45 115 120 125  
 47 Lys Leu Lys Glu Tyr Ser Ser Met Asp Ala Phe Trp Gln Glu Gly Arg  
 48 130 135 140  
 50 Ala Ser Gly Thr Val Tyr Ser Gly Glu Glu Lys Leu Thr Glu Leu Leu  
 51 145 150 155 160  
 53 Val Lys Ala Tyr Gly Asp Phe Ala Trp Ser Asn Pro Leu His Pro Asp  
 54 165 170 175  
 56 Ile Phe Pro Gly Leu Arg Lys Ile Glu Ala Glu Ile Val Arg Ile Ala  
 57 180 185 190  
 59 Cys Ser Leu Phe Asn Gly Gly Pro Asp Ser Cys Gly Cys Val Thr Ser  
 60 195 200 205  
 62 Gly Gly Thr Glu Ser Ile Leu Met Ala Cys Lys Ala Tyr Arg Asp Leu  
 63 210 215 220  
 65 Ala Phe Glu Lys Gly Ile Lys Thr Pro Glu Ile Val Ala Pro Gln Ser  
 66 225 230 235 240

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68 Ala His Ala Ala Phe Asn Lys Ala Ala Ser Tyr Phe Gly Met Lys Ile
69                245                250                255
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72                260                265                270
74 Arg Arg Ala Ile Ser Arg Asn Thr Ala Met Leu Val Cys Ser Thr Pro
75                275                280                285
77 Gln Phe Pro His Gly Val Ile Asp Pro Val Pro Glu Val Ala Lys Leu
78                290                295                300
80 Ala Val Lys Tyr Lys Ile Pro Leu His Val Asp Ala Cys Leu Gly Gly
81 305                310                315                320
83 Phe Leu Ile Val Phe Met Glu Lys Ala Gly Tyr Pro Leu Glu His Pro
84                325                330                335
86 Phe Asp Phe Arg Val Lys Gly Val Thr Ser Ile Ser Ala Asp Thr His
87                340                345                350
89 Lys Tyr Gly Tyr Ala Pro Lys Gly Ser Ser Leu Val Leu Tyr Ser Asp
90                355                360                365
92 Lys Lys Tyr Arg Asn Tyr Gln Phe Phe Val Asp Thr Asp Trp Gln Gly
93                370                375                380
95 Gly Ile Tyr Ala Ser Pro Thr Ile Ala Gly Ser Arg Pro Gly Gly Ile
96 385                390                395                400
98 Ser Ala Ala Ala Trp Ala Ala Leu Met His Phe Gly Glu Asn Gly Tyr
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101 Val Glu Ala Thr Lys Gln Ile Ile Lys Thr Ala Arg Phe Leu Lys Ser
102                420                425                430
104 Glu Leu Glu Asn Ile Lys Gly Ile Phe Val Phe Gly Asn Pro Gln Leu
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107 Ser Val Ile Ala Leu Gly Ser Arg Asp Phe Asp Ile Tyr Arg Leu Ser
108                450                455                460
110 Asn Leu Met Thr Ala Lys Gly Trp Asn Leu Asn Gln Leu Gln Phe Pro
111 465                470                475                480
113 Pro Ser Ile His Phe Cys Ile Thr Leu Leu His Ala Arg Lys Arg Val
114                485                490                495
116 Ala Ile Gln Phe Leu Lys Asp Ile Arg Glu Ser Val Thr Gln Ile Met
117                500                505                510
119 Lys Asn Pro Lys Ala Lys Thr Thr Gly Met Gly Ala Ile Tyr Gly Met
120                515                520                525
122 Ala Gln Thr Thr Val Asp Arg Asn Met Val Ala Glu Leu Ser Ser Val
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133 <211> LENGTH: 5741
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Description of Artificial Sequence:nucleotide
139 sequence of human SGPL1 cDNA

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141 &lt;400&gt; SEQUENCE: 2

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144 aggggaaggag actggaagct ggttcggcg tgaggagagt ctgaaaaagg ggagcgcgga 180
145 gaggaggctg gaagaggaag atgcctagca cagaccttct gatgttgaag gcctttgagc 240
146 cctacttaga gatttttgaa gtatactcca caaaagccaa gaattatgta aatggacatt 300
147 gcaccaagta tgagccctgg cagctaattg catggagtgt cgtgtggacc ctgctgatag 360
148 tctggggata tgagtttgct tccagccag agagtttatg gtcaaggttt aaaaagaaat 420
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155 cctgtttcaa tgggggacca gattcgtgtg gatgtgtgac ttctggggga acagaaagca 840
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236 cttttatgct ttctctgtc ttgtaatctt ttctcttctt aatatccttc cctataattt 5700
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Input Set : A:\sequence listing 237377.txt

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241 &lt;211&gt; LENGTH: 1707

242 &lt;212&gt; TYPE: DNA

243 &lt;213&gt; ORGANISM: Homo sapiens

245 &lt;400&gt; SEQUENCE: 3

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248 cagctaattg catggagtgt cgtgtggacc ctgctgatag tctggggata tgagtttgtc 180
249 ttccagccag agagtttatg gtcaaggttt aaaaagaaat gttttaagct caccaggaag 240
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272 ggaatgggtg ccatctatgg catggcccag acaactgttg acaggaatat ggttgagaa 1620
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277 &lt;210&gt; SEQ ID NO: 4

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279 &lt;212&gt; TYPE: DNA

280 &lt;213&gt; ORGANISM: Artificial Sequence

282 &lt;220&gt; FEATURE:

283 <223> OTHER INFORMATION: Description of Artificial Sequence: primer for the  
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286 &lt;400&gt; SEQUENCE: 4

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21

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291 &lt;211&gt; LENGTH: 21

292 &lt;212&gt; TYPE: DNA

293 &lt;213&gt; ORGANISM: Artificial Sequence

295 &lt;220&gt; FEATURE:

296 <223> OTHER INFORMATION: Description of Artificial Sequence: primer for the  
 297 human SGPL1 gene

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L:10 M:270 C: Current Application Number differs, Replaced Current Application Number

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date